

NR 428 Performance Standards for Existing Sources (Subject to final rule drafting and Q/A - 8/30/2000)

Source Category	Applicable Threshold (equal to or greater)	Limitation	Monitoring Requirement
Electric Utility System Average Emission Rate			
EGU Boilers	500 mmbtu/hr	2002.....0.33 lbs/mmbtu 2003.....0.31 lbs/mmbtu 2004.....0.30 lbs/mmbtu 2005.....0.29 lbs/mmbtu 2006.....0.29 lbs/mmbtu 2007.....0.28 lbs/mmbtu	Part 75 CEM
Seasonal Emission Limit Requirements (Sources operating < 25 Capacity Factor Exempt)			
Cyclone	100 mmbtu/hr	0.45 lbs/mmbtu	Part 60 or equivalent
Fluidized Bed	100 mmbtu/hr	0.20 lbs/mmbtu	Part 60 or equivalent
Pulverized Coal	100 mmbtu/hr	0.30 lbs/mmbtu	Part 60 or equivalent
Gas Fired Boiler	100 mmbtu/hr	0.10 lbs/mmbtu	Part 60 or equivalent
Oil Fired Boiler	100 mmbtu/hr	Distillate.....0.12 lbs/mmbtu Residual.....0.20 lbs/mmbtu	Part 60 or equivalent
Metal Reheat, Annealing, and Galvanizing Furnaces	100 mmbtu/hr	0.10 lbs/mmbtu	Part 60 or equivalent
Combustion Turbine	50 MW	Gas: 75 ppm Oil: 110 ppm	Part 60 or equivalent
Reciprocating Engine	2000 hp	Rich burn9.5 gr/bhp Lean burn.....10.0 gr/bhp Distillate fuel.....8.5 gr/bhp Dual fuel.....6.0 gr/bhp	Part 60 or equivalent
Optimization of External Combustion Sources (Capacity Factor < 20% Exempt)*			
Solid Fuel Boilers	75 mmbtu/hr	Combustion Optimization	Continuous Combustion Analyzer
Gas/Oil Fired	75 mmbtu/hr	Combustion Optimization	Continuous Combustion Analyzer
Cement, Lime Kilns, Calciners	75 mmbtu/hr	Combustion Optimization	Continuous Combustion Analyzer
Reheat, Annealing, Galvanizing Furnaces	75 mmbtu/hr	Combustion Optimization	Continuous Combustion Analyzer
Glass Furnaces	75 mmbtu/hr	Combustion Optimization	Continuous Combustion Analyzer

* Includes all sources above this threshold not subject to an Emission Rate Requirement

NR 428 Performance Standards for New Sources (Subject to final rule drafting and Q/A - 8/30/2000)*

Source Category	Applicable Threshold (equal to or greater)	Requirement	Monitoring
Solid Fuel Fired Boilers	250 mmbtu/hr	0.15 lbs/mmbtu	Part 60 or equivalent
Solid Fuel Fired Boilers	< 250 mmbtu/hr	0.20 lbs/mmbtu	Part 60 or equivalent
Gaseous / Oil Fired Boilers	25 mmbtu/hr	Gas..... 0.05 lbs/mmbtu Distillate.....0.09 lbs/mmbtu Residual.....0.15 lbs/mmbtu	Part 60 or equivalent
Recovery Boilers	50 mmbtu/hr	0.10 lbs/mmbtu	Part 60 or equivalent
Cement Kilns, Lime Kilns, and Calciners	50 mmbtu/hr	Gas.....0.10 lbs/mmbtu Distillate.....0.12 lbs/mmbtu Residual.....0.20 lbs/mmbtu Solid Fuel.....0.60 lbs/mmbtu	Part 60 or equivalent
Reheat, Annealing, Galvanizing Furnaces	50 mmbtu/hr	0.10 lbs/mmbtu	Part 60 or equivalent
Glass Furnaces	50 mmbtu/hr	4 lbs/ ton pulled glass	Part 60 or equivalent
Asphalt Plants	50 mmbtu/hr	Gas..... .015 lbs/mmbtu Distillate.....0.20 lbs/mmbtu Residual..... 0.25 lbs/mmbtu	Part 60 or equivalent
Process Heating Units (Process Heaters, Ovens, Dryers, and other external combustion)	50 mmbtu/hr	Gas.....0.10 lbs/mmbtu Oil.....0.12 lbs/mmbtu	Part 60 or equivalent
Combustion Turbine	> 85 MW	Gas..... 12 ppm (15% O ₂) Oil..... 25 ppm (15% O ₂)	Part 60 or equivalent
Combustion Turbine	40 to 85 MW	Gas..... 9 ppm (15% O ₂) Oil..... 25 ppm (15% O ₂)	Part 60 or equivalent
Combustion Turbine	< 40 MW	Gas.....25 ppm (15% O ₂) Oil.....65 ppm (15% O ₂)	Part 60 or equivalent
Combined Cycle Turbines	25 MW	Gas..... 3 ppm (15% O ₂) Oil..... 8 ppm(15% O ₂)	Part 60 or equivalent
Combined Cycle Turbine	< 25MW	Gas..... 14 ppm (15% O ₂) Oil.....25 ppm (15% O ₂)	Part 60 or equivalent
Reciprocating Engines	1000 hp	Compression.....6.0 gram/bhp Spark Ignition.....4.0 gram/bhp	Part 60 or equivalent

*Performance standards do not supersede existing NSR or PSD program requirements.